



**MINIATURE 4 POLE SURFACE MOUNT MONOLITHIC CRYSTAL FILTER - S2 Series**

**FEATURES**

- ● Industry Standard Footprint, Compact Size (7x5X0.9 mm) for 4 Pole Device.
- ● Excellent Vibration Resistance and Shock Resistance
- ● Withstand IR or Vapor Phase Soldering Reflow, Excellent Solderability
- ● Tape and Reel Packing

**SPECIFICATIONS**

Model □ □ □	Nominal Frequency (MHz)	Pass □ Bandwidth (dB) (kHz)	Stop □ Bandwidth □ (dB) (kHz)	Ripple □ (dB)	Insertion Loss □ (dB) □	Guaranteed Attenuation (dB, -910KHz)	Terminating Impedance (kOhms//pF) □	Case Style	No. of Poles
44M11B □	44.250	3 ±5.50	35 ±20.0	1.5	3.0 □	70	0.6 // 2.5	S2	4
44M13B	44.250	3 ±6.50	22 ±12.5	1.0	3.0 □	70	0.43 // 6.0	S2	4
45M7.5B	45.000	3 ±3.75	30 ±12.5	1.0	4.0 □	80	0.35 // 6.5	S2	4
45M20B	45.000	3 ±10.00	25 ±25.0	1.0	3.0 □	80 □	0.5 // 2.5	S2	4
45M15B	45.050	3 ±7.50	35 ±25.0	1.0	3.0 □	80 □	0.65 // 3.0	S2	4
45M15B	45.100	3 ±7.50	35 ±25.0	1.5	3.0 □	70 □	0.65 // 2.2	S2	4
47M15B	47.250	3 ±7.50	35 ±27.0	1.0 □	3.0	70 □	0.8 // 1.7	S2	4
70M20B	70.050	3 ±10.00	20 ±25.0	1.0	4.5 □	70 □	2.5 //-1.0	S2	4
73M13B	73.350	3 ±6.50	30 ±20.0	1.0	4.0 □	65 □	1.7 //-0.6 □	S2	4

**Typical Part Number** □ M - Pass Bandwidth - Pole (A:2; B:4) - Case Style - Frequency - Package Option

**P/N Example** □ □ M20BS2-45M000-T&R: Model 45M20B Monolithic Crystal Filter in 7x5x0.9 mm SMD package; Nominal frequency 45.000 MHz; Pass bandwidth ±10 kHz; 4 Poles; Tape & Reel package.

**OUTLINE DRAWING**

